



City of Roanoke Invitation for Bid

Date: November 17, 2006

Bid Number: 07-11-01 Conventional Cab & Chassis 4x2		Bid Opening Date: December 1, 2006 Bid Opening Time: 2:00 p.m.		
«Vendor_Name» «Vendor_ContactName» «Vendor_Address» «Vendor_City» «Vendor_State» «Vendor_Zip»				
Legal Name of Bidder:				
Mailing Address:				
Terms:				
Delivery:				
Telephone:		E-mail:		
Acknowledge each addendum received:	# Date	# Date	# Date	# Date
Printed name of authorized person submitting bid:				
Signature:		Date:		
Issued by:	City of Roanoke Purchasing Division Noel C. Taylor Municipal Building 215 Church Ave SW, Room 353 Roanoke, VA 24011		Stanley Wells, Procurement Technician Phone: 540-853-2873 Fax: 540-853-1513 Email: stanley.wells@roanokeva.gov	

THIS PUBLIC BODY DOES NOT DISCRIMINATE AGAINST FAITH BASED ORGANIZATIONS

No bid may be withdrawn within a period of sixty (60) days after bid opening except for clerical errors, part (i) of Section 2.2-4330(A), Virginia Code, 1950, as amended.

The City reserves the right to cancel or reject any or all bids and to waive any informalities in any bid.

This Invitation for Bid consists of these parts:

- | | |
|---|--|
| 1. Specifications/Instruction for Bidders | 3. Specifications (Attachment B) |
| 2. Bid Form (Attachment A) | 4. Insurance Requirements (Attachment C) |
| 5. Terms & Conditions (Attachment D) | |

SPECIFICATIONS FOR BID

SECTION 1. PURPOSE.

The purpose of this Invitation for Bid (IFB) is for the procurement of a conventional cab and chassis 4x2 with 75' articulating aerial man lift and chipper dump body. The City of Roanoke invites qualified bidders to submit a bid. Bidders responding to this IFB must be responsive and responsible bidders.

SECTION 2. SPECIFICATIONS.

The services and/or items the Successful Bidder will be required to provide to the City and/or to meet is attached hereto as Attachment B to this IFB and incorporated herein by reference.

SECTION 3. TERM.

All items set forth on the Bid Form (Attachment A) to the IFB shall be delivered within thirty (30) days following issuance of a purchase order.

SECTION 4. PAYMENT FOR SERVICES.

Payments to the Successful Bidder shall be made within 30 days after receipt of invoice and approval of such invoice by the City

SECTION 5. GENERAL INSTRUCTIONS TO BIDDERS.

- A. Sealed Bids, to be considered, must be received by the City of Roanoke in the Purchasing Division, 215 Church Avenue, S.W., Noel C. Taylor Municipal Building, Room 353, Roanoke, Virginia 24011, on or before 2:00 p.m., local time, on December 1, 2006, at which time all bids received will be publicly opened and read. Bids received after 2:00 p.m. will not be accepted or considered. The time of receipt shall be determined by the time clock stamp in the Purchasing Office, or if it is not working, such time shall be determined by the Purchasing official who is to open the bids.

The mailed envelope shall be clearly marked on the front of that envelope, the notation and completed information as follow:

"Sealed Bid Number: 07-11-01 Opening Date: December 1, 2006 and Time: 2:00 p.m."

FAXED OR E-MAILED BIDS ARE NOT ACCEPTABLE.

- B. If you download this IFB from the City website, and intend to submit a bid, you must notify Purchasing that you should be added to the list of entities having received a copy of the IFB and want to receive any addenda issued. The City is not responsible for any IFB obtained from any source other than the City, and may not accept bids from those who download this IFB and fail to notify the City of their intent to submit a bid. Contact Purchasing by phone at 540.853.2871, by fax at 540.853.1513 or by email at stanley.wells@roanokeva.gov

- C. Payment terms and delivery date(s) must be shown on the submitted bid, if applicable.
- D. All bids are to be submitted in accordance with all terms, conditions, rules, regulations, requirements and specifications identified in and by this Invitation for Bid (IFB).
- E. Bids are to be on the Form as provided by or as otherwise specified in this IFB. If a Bid Form is provided, no changes are to be made to the Bid Form. Any changes to Bid amounts must be initialed.
- F. All bids shall be signed by a person on behalf of the responding Bidder who is appropriately authorized to do so. The printed name of that authorized person must be shown as well. Any bid submitted must be submitted in the complete legal name of the Bidder responding. No bid will be considered from any Bidder not properly licensed as may be required by law.
- G. Bids that have been appropriately opened cannot be changed, adjusted, corrected or modified in any way other than complete withdrawal. The City's procedures for withdrawal of bids (whether construction or other than construction) is that set forth in Code of Virginia §2.2-4330 which allows withdrawal of a bid due to an error such as an unintentional arithmetic error or an unintentional omission of a quantity of work, labor or material made directly in the compilation of a bid, which unintentional arithmetic error or unintentional omission can be clearly shown by objective evidence drawn from inspection of original work papers, documents and materials used in the preparation of the bid. Withdrawal must be requested within two days of the bid opening by delivering to the City original work papers, documents, and materials used in preparation of the Bid.
- H. All bids, appropriately received, will be evaluated by considering the requirements set forth in the IFB, the quality, workmanship, economy of operation, suitability for intended purpose, delivery, payment terms and price of product or service being requested in this bid.
- I. Bids are to be submitted on the brand, make and kind of product or service requested or its approved equal, to be solely determined by the City, unless otherwise specified. Should a bid be for a product or service as an equal, the name, make, model and type of that which is being bid must be clearly stated. The bid must also be accompanied by descriptive literature of the product or service bid to allow for evaluation. Failure to provide this information may result in the bid being considered non-responsive and may not be considered.
- J. If an award is made for the item(s) or services requested, a notice of award will be made which will be posted to a file in the City's Purchasing Division, Room 353, telephone no. 540-853-2871, and notification of such award will be made available for Public view in the lobby of the Noel C. Taylor Municipal Building, 215 Church Ave., S.W., Roanoke, VA. 24011. Purchase Orders, when awarded to the Successful Bidder(s), will be issued and sent to the address shown on their bid response. Upon completion of the purchase order, payment will be made only to the Successful Bidder at the address as shown on the purchase order. If the remittance address is other than the address on the bid, it must be clearly noted and explained in your bid. Purchase Order(s) will be paid only when the items and/or services have been supplied to and approved by the City.
- K. All items, identified in this Invitation for Bid, are to be quoted and provided **F.O.B. DESTINATION-INSIDE DELIVERY.**

- L. The City reserves the right to cancel or reject any or all bids, to waive any informalities in any bid and to purchase any whole or part of the items or services listed in the IFB.
- M. It is the policy of the City of Roanoke to maximize minority and women-owned business enterprises participating in all aspects of City contracting opportunities.
- N. Each Bidder is to state whether or not any of Bidder's owners, officers, employees, or agents, or their immediate family members, is currently or has been in the past year, an employee of the City of Roanoke or has any responsibility or authority with the City that might affect the procurement transaction or any claim resulting therefrom. If so, please state the complete name and address of each person and their connection to the City of Roanoke. Each Bidder is advised that the Ethics in Public Contracting and Conflict of Interests Act of the Virginia Code, as set forth in Section 5 of this IFB, apply to this IFB.
- O. **The attention of each Bidder is directed to VA Code Sections 54.1-1100 et seq. which requires certain licenses for contractors, tradesmen and others. Each Bidder is required to determine which license, if any, it is required to have under such sections. Each Bidder shall so state on the Bid Form or in its response, if no Bid Form is provided, whether it has a VA license under such sections and, if so, the type of license and/or license number. Failure to include this information may result in the bid being rejected as nonresponsive.**
- P. **Bid Submittals shall include:**
 - 1. Page 1, Invitation for Bid Coversheet
 - 2. Page 8, The Bid Form (Unit Cost shall include all labor, material, overhead and profit.)
 - 3. Pages 9-25, Specifications

Failure to do so may result in the bid being determined as nonresponsive.

Questions or concerns may be addressed by contacting the Purchasing Division at (540) 853-2871.

Reply To:

**City of Roanoke Purchasing Division
Noel C. Taylor Municipal Building
215 Church Avenue SW, Room 353
Roanoke, Virginia 24011**

- Q. Ethics in Public Contracting. The provisions, requirements, and prohibitions as contained in Sections 2.2-4367 through 2.2-4377, of the Virginia Code, pertaining to bidders, offerors, contractors, and subcontractors are applicable to this IFB.
- R. Conflict of Interests Act. The provisions, requirements, and prohibitions as contained in Sections 2.2-3100, et seq., of the Virginia Code are applicable to this IFB.
- S. The procurement provisions of the Code of the City of Roanoke (1979), as amended, Sections 23.2-1, et seq., as well as the City Procurement Manual, apply to this IFB, unless

specifically modified herein. The City's Procurement Manual can be reviewed at the Purchasing office.

- T. General and/or technical questions regarding the Scope of Services and/or project requirements under this Invitation for Bid may be directed to Demond Hammond, Project Support Assistant, at 853-5461, general and/or technical questions regarding this Invitation for Bid may be directed to Stanley Wells, Procurement Technician, at (540) 853-2873, or faxed to (540) 853-1513.

SECTION 6. EVALUATION FOR LOWEST RESPONSIVE AND RESPONSIBLE BIDDER.

To determine the lowest responsive and responsible bidder with respect to this Bid, the following factors, among such others as will protect and preserve the interest of the City may be considered:

- A. Total extended bid price as set forth on the Bid Form.
- B. The specified terms and discounts of the Bid;
- C. The ability, capacity and skill of the Bidder to perform the contract or provide the service required;
- D. Whether the bidder can perform the Contract or perform the service promptly, or within the time specified, without delay or interference;
- E. The character, integrity, reputation, judgment, experience and efficiency of the Bidder;
- F. The quality of performance of previous contracts or services;
- G. The previous and existing compliance by the Bidder with laws and ordinances relating to the Contract, purchase or service;
- H. The equipment and facilities available to the Bidder to perform the Contract or provide the service, and/or items.
- I. The sufficiency of the financial resources and ability of the bidder to perform the Contract or provide the service, and/or items.
- J. The quality, availability and adaptability of the supplies, materials, equipment or services to the particular use required;
- K. The ability of the Bidder to provide future maintenance, parts and service for the use of the subject of the purchase or Contract;
- L. The conditions, if any, of the bid;
- M. Bids shall be evaluated based on the requirements set forth in this Invitation for Bid, and other criteria to determine acceptability such as inspection, testing, quality, workmanship, delivery, suitability for a particular purpose and life cycle cost. The City, in its sole discretion, may elect to waive an informality in any Bid.

SECTION 7. EMPLOYMENT DISCRIMINATION BY CONTRACTOR PROHIBITED.

The following applies to the Successful Bidder:

1. During the performance of the contract, the Successful Bidder agrees as follows:
 - a. The Successful Bidder will not discriminate against any employee or applicant for employment because of race, religion, color, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment, except where there is a bona fide occupational qualification reasonably necessary to the normal operation of the contractor. The Successful Bidder agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.

- b. The Successful Bidder, in all solicitations or advertisements for employees placed by or on behalf of the contractor, will state that such contractor is an equal opportunity employer.
 - c. Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.
2. The Successful Bidder will include the provisions of the foregoing paragraphs a, b and c in every subcontract or purchase order of over ten thousand dollars (\$10,000.00), so that the provisions will be binding upon each subcontractor or vendor.

SECTION 8. DRUG-FREE WORKPLACE TO BE MAINTAINED BY CONTRACTOR.

All public bodies shall include in every contract over ten thousand dollars (\$10,000.00) the following provisions:

The following applies to the Successful Bidder:

During the performance of the contract, the Successful Bidder agrees to (i) provide a drug-free workplace for the contractor's employees; (ii) post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana is prohibited in the Successful Bidder's workplace and specifying the actions that will be taken against employees for violations of such prohibition; (iii) state in all solicitations or advertisements for employees placed by or on behalf of the Successful Bidder that the Successful Bidder maintains a drug free workplace; and (iv) include the provisions of the foregoing clauses in every subcontract or purchase order of over ten thousands dollars (\$10,000.00), so that the provisions will be binding upon each subcontractor or vendor. For the purposes of this section, a drug free workplace means a site for the performance of work done in connection with a specific contract awarded to a contractor, the employees of whom are prohibited from engaging in the unlawful manufacture, sale, distribution, dispensation, possession or use of any controlled substance or marijuana during the performance of the contract.

SECTION 9. CONTRACTOR'S AND SUBCONTRACTOR'S INSURANCE.

Successful Bidder, and any of its subcontractors, shall, at its sole expense, obtain and maintain during the life of the resulting Contract the insurance policies and/or bonds required. Any required insurance policies and/or bonds shall be effective prior to the beginning of any work or other performance by successful Bidder, or any of its subcontractors, under any resultant Contract. The policies and coverages required are those as may be referred to on Attachment C to this IFB, but shall include workers' compensation coverage regardless of the number of employees.

SECTION 10. NEGOTIATIONS WITH LOWEST RESPONSIVE AND RESPONSIBLE BIDDER.

If the bid by the lowest responsive and responsible bidder exceeds available funds, the City reserves the right to negotiate with the apparent low bidder pursuant to §2.2-4318 Code of Virginia. The conditions and procedures under which such negotiation may be undertaken are that the appropriate City officials shall determine that the lowest responsive and responsible bid exceeds available funds and notify such bidder in writing of its desire to negotiate. Thereafter, negotiations with the apparent low bidder may be held to obtain a contract within available funds involving discussions of reduction of quantity, quality, or other cost saving mechanisms. Any such negotiated contract shall be subject to final approval of the City, in the sole discretion of the City.

SECTION 11. BID AWARD.

If an award of a purchase order is made, it will be made to the lowest responsive and responsible Bidder and notice of the award or the announcement of the decision to award will be made by posting a notice of such award or announcement in the foyer area of the 2nd Floor of the Noel C. Taylor Municipal Building at 215 Church Avenue, S.W., Roanoke, Virginia 24011. The City reserves the right to award to multiple Bidders.

SECTION 12. FAITH BASED ORGANIZATIONS.

Pursuant to Virginia Code Section 2.2-4343.1, be advised that the City does not discriminate against faith-based organizations.

SECTION 13. HOLD HARMLESS AND INDEMNITY.

Successful Bidder shall indemnify and hold harmless the City and its officers, agents, and employees against any and all liability, losses, damages, claims, causes of action, suits of any nature, costs, and expenses, including reasonable attorney's fees, resulting from or arising out of Successful Bidder's or its employees, agents, or subcontractors actions, activities, or omissions, negligent or otherwise, on or near City's property or arising in any way out of or resulting from any of the work or items to be provided under the Purchase Order, and this includes, without limitation, any fines or penalties, violations of federal, state, or local laws or regulations, personal injury, wrongful death, or property damage claims or suits. Successful Bidder agrees to and shall protect, indemnify, and hold harmless all the parties referred to above from any and all demands for fees, claims, suits, actions, causes of action, settlement or judgments based on the alleged or actual infringement or violation of any copyright, trademark, patent, invention, article, arrangement, or other apparatus that may be used in the performance of the Purchase Order.

SECTION 14. PROTESTS.

Any Bidder who wishes to protest or object to any award made or other decisions Pursuant to this IFB may do so only in accordance with the provisions of Sections 2.2-4357, 4358, 4359, 4360, 4363, and 4364 of the Code of Virginia, and only if such is provided for in such Code section.

SECTION 15. INFORMATION ON PURCHASE ORDER TO BE AWARDED.

The Terms and Conditions marked as Attachment B to IFB No. 07-11-01 contains Terms and Conditions that the City plans to include in any purchase order that may be awarded, but such Terms and Conditions may be changed, added to, deleted, or modified as may be agreed to between the City and the Successful Bidder. However, if a Bidder has any objections to any of the Terms or Conditions set forth in the Sample or any changes or additions thereto that the Bidder wants to discuss before submitting a bid, the Bidder should set forth such objections, changes, or additions in written correspondence to the Purchasing Division at least five (5) days before the bid opening date for this IFB. Otherwise, submission of a bid by a Bidder will obligate such Bidder, if it is the Successful Bidder, to enter into a purchase order containing the same or substantially similar Terms and Conditions as contained in such Attachment, and to comply with such Terms and Conditions. Also, such Terms and Conditions, together with the requirements of this IFB, shall be deemed to be a part of any resultant Purchase Order that may be issued by the City to the Successful Bidder.

ATTACHMENT A

To

IFB #07-11-01

BID FORM

ITEM	BID
Conventional Cab & Chassis 4x2 with 75' Articulating Aerial Man Lift and Chipper Dump Body.	\$_____

Bids containing any conditions, omissions, unexplained erasures, alterations or items not called for in the bid, or irregularities of any kind, may be rejected by the City as being nonresponsive. No changes are to be made to the Bid Form. Any changes to a Bid Amount must be initialed by the person signing the Bid Form.

The attention of each Bidder is directed to VA Code sections 54.1-1100, et seq. which requires certain licenses for contractors, tradesmen, and others. Each Bidder is required to determine which license, if any, it is required to have under such sections. Complete the following:

Bidder ___ does have ___ does not have a Virginia Contractor's License. (Check appropriate block)

If Bidder has a Virginia Contractor's License, circle the class Bidder has and list the number. Licensed "Class A", "Class B", or "Class C" Virginia Contractor Number _____

If Bidder has another type of Virginia License, please list the type and number:

Type of license _____ and number: _____.

Bidder is a ___ resident or ___ nonresident of Virginia. (Check appropriate blank. See VA Code sections 54.1-1100, et seq.

The undersigned hereby agrees, if this bid is accepted by the City, to provide the services and/or items in accordance with this Invitation for Bid and to execute a contract for such services and/or items.

Legal Name of Bidder

Date

Authorized Signature

Print or Type Name and Title

ATTACHMENT B

To

IFB #07-11-01

SPECIFICATIONS

Each bidder shall complete fully the specifications columns on the right of the following Specifications. Completed data shall be submitted with each bidder's bid.

CONVENTIONAL CAB & CHASSIS 4X2 WITH 75' ARTICULATING AERIAL MAN LIFT AND CHIPPER DUMP BODY

CITY SPECIFICATIONS

CAB & CHASSIS

33,350 # GVWR

65,000 # GCWR

Wheelbase: 205"

CA: 137" (useable)

AF: 75" (useable)

Fender extensions

Tilting front end (3-piece, fiberglass)

DIESEL ENGINE

In-line six (6) cylinder, wet sleeved

Engine being offered (please state name, etc.)

260 HP; 800 ft-lbs. of torque @ 1,400 RPM;
2,400 RPM governed speed

120 volt/1250 watt (Phillips, or approved equal) engine
heater with receptacle type block heater socket to be
mounted below driver's door.

DEALER SPECIFICATIONS

CAB & CHASSIS

DIESEL ENGINE

CITY SPECIFICATIONS

Engine to meet all current
Federal Emission Standards

ENGINE ELECTRONICS

Engine RPM control – remote mounted; provisions
for wiring for body builder installation of PTO
controls with ignition switch controls for
electronic engines

Variable speed engine throttle

Key operated engine shut-down

ENGINE COOLING SYSTEM

Radiator: Cross flow series; 816 sq inch louvered
aluminum radiator core with internal water to oil
transmission cooler; 313 sq inch charge air cooler

Anti-freeze “fill-for-life” type; Penray listed

Radiator hoses: silicone; molded

De-aeration system with surge tank

TRANSMISSION

Allison MD 3500 RDS P 4th Generation controls; 5 speed
w/overdrive; on/off highway; PTO provision (or approved
equal)

Dash mounted push button type shift controls

Oil level sensor

Synthetic transmission fluid

DEALER SPECIFICATIONS

ENGINE ELECTRONICS

ENGINE COOLING SYSTEM

TRANSMISSION

CITY SPECIFICATIONS

Transmission/engine electronic interface

Allison spare input/output for Rugged Duty Series (RDS) (or approved equal)

Oil pan magnet in transmission oil pan

AXLES & SUSPENSIONS

Front:

Wide track; I-beam type; 13,000 # capacity, set-back Dana Spicer I-130S (or approved equal)

13,000 # capacity taper leaf front springs with double acting hydraulic shocks

Wheel bearing seals with sight glass and synthetic lubricant

Rear (Single Axle):

21,000 # capacity single reduction rear axle; Dana Spicer 21060D (or approved equal); with driver control locking differential; with 200 wheel ends and bar-pin attachments

Gear ratio: 6.17

Single variable rate 23,500 # capacity with 4,500# auxiliary rubber spring; walking beam type suspension

CHASSIS BRAKE SYSTEM

Air brake system with four (4) channel ABS

13.2 cfm air compressor with air supply line through the air cleaner

16.5" x 5.0" S-cam front brakes with type 30/30 brake chambers

16.5 x 7.0" rear brakes with type 30/30 brake chambers with heavy duty spring actuated parking brake

DEALER SPECIFICATIONS

AXLES & SUSPENSIONS

Front:

Rear (Single Axle):

CHASSIS BRAKE SYSTEM

CITY SPECIFICATIONS

Dust shields and automatic slack adjusters on all brake positions

Sealed brake chambers

ELECTRICAL SYSTEM

12 volt system with 110 amp capacity alternator

(3) – 12 volt maintenance-free batteries;
1,950 CCA total

Remote mounted jump start stud

Cigar lighter

Air horn

102 dBA back-up alarm

Toggle switch (lighted) for work light on instrument panel with wiring effects for customer/body company furnished back of cab light

Halogen headlights

Separate wiring to rear of frame for combined trailer stop, tail, turn, and marker light circuits; ignition controlled auxiliary feed and ground; include electric trailer brake accommodation package with cab connections for mounting customer installed electric brake unit less trailer socket

Daytime running lights

Battery disconnect switch; positive type; lever operated – NO KEY; mounted on cab floor – driver's side

Intermittent windshield wipers with "force to stow" feature (when parking brake applied)

SAE Type III circuit breakers (manual reset)

AM/FM stereo radio with speakers, weather band and clock

DEALER SPECIFICATIONS

ELECTRICAL SYSTEM

CITY SPECIFICATIONS

2-way radio wiring with 20 amp fuse protection including ignition wire with 5 amp fuse, heat shrunk wire ends, and 10' of wire – coiled and taped to base harness

Wiring for body company located at rear of cab at left frame to include sealed connectors for Tail, Amber Turn, Marker, ABS, Accessory Power, Ground

Modified tail light wiring to include wiring for standard L & R tail lights with separate 8' lengths of extra cable wiring for L & R body mounted tail lights

Battery disconnect RED LED indicator light; grille mounted

FRAME & REINFORCEMENTS

Frame rails: Heat treated alloy steel – 120,000 PSI yield; approximately 10.375" x 3.705" x 0.438", 456" maximum OAL

STEERING GEAR

Integral hydraulic valve power steering gear with 18" wheel

Tilting steering column

FUEL TANK

Capacity: 50 gallons (minimum) with quick connect outlet

Location: Left side; under cab mount

Fuel/water separator with thermostatic fuel temperature controlled electric heater and fuel filter with filter restriction/change indicator in a single assembly – mounted on engine

DEALER SPECIFICATIONS

FRAME & REINFORCEMENTS

STEERING GEAR

FUEL TANK

CITY SPECIFICATIONS

EXHAUST SYSTEM

Single, horizontal, particulate trap, frame mounted right side BOC to include horizontal tailpipe

Turn-back type tail pipe for single exhaust

TIRES & WHEELS

Front:

(3) – 11R22.5 Unisteel G149, Goodyear
(or approved equal), 14 ply; G load range tires

Wheels: front disc; 22.5" painted steel; 10 stud;
hub piloted; flanged nut; metric mount;
8.25 DC rims with steel hubs; painted white

Rear:

(4) – 11R22.5 G288 Goodyear
(or approved equal) 16 ply; H load range tires

Wheels: rear dual disc; 22.5 painted steel; 10 stud;
hub piloted; flanged nut; metric mount;
8.25 DC rims with steel hubs; painted white

Front wheel bearing: EmGard (or approved equal)
synthetic oil

Spare tire & wheel: Spare front – mounted

GAUGE PACKAGE

Odometer display: Miles, trip miles, engine hours,
trip hours, and fault code read-out

Warning system: Low fuel, low oil pressure,
high engine coolant temperature, and low battery voltage
(visual and audible)

Low coolant level indicator with audible alarm

Cluster gauges (6): Engine oil pressure (electronic);
Water temperature (electronic); Fuel (electronic);

DEALER SPECIFICATIONS

EXHAUST SYSTEM

TIRES & WHEELS

Front:

Rear:

GAUGE PACKAGE

CITY SPECIFICATIONS

Tachometer (electronic); Voltmeter; Washer fluid level

CAB PAINT & FINISH

DuPont # 93-508 White Imron; clear coat finish

OTHER ITEMS

National (or approved equal) driver's air ride seat; high back with integral headrest; isolated with 2 position front cushion adjustment; -3 to +14° seat back adjustment; air lumbar support; lap and shoulder seat belt

Passenger seat – two person fixed back with two integral head rests; lap and shoulder belts for passenger seat

All seat belts to be RED or ORANGE

Tinted window glass – all windows

Rear view mirrors – breakaway bracket type with 102" spacing; approximately 7.5" x 15" mirrors with approximately 7.5" square convex on both sides

6" x 10" integral or add-on convex "look down" mirror on passenger side

Integral air condition/heating/defrost system with APADS type protection – no exception

Cab rear suspension – air bag type

Clearance/marker lights (5) – amber LED lights; flush mounted on cab or sunshade

Exterior light test system for pre-trip inspection; all exterior lights (except back-up lights) will cycle

Please include a detailed cab/chassis specification sheet(s) with bid package

DEALER SPECIFICATIONS

CAB PAINT & FINISH

OTHER ITEMS

**CAB/CHASSIS VENDOR SHALL BE RESPONSIBLE
FOR READING BODY SPECIFICATIONS,
COORDINATING AND WORKING IN CONCERT WITH
BODY VENDOR TO ENSURE PROPER MATCHING
AND OPERATION OF BODY AND CAB/CHASSIS**

**Unit to meet all Virginia, Federal & OSHA
Requirements**

**Cab/chassis to be delivered to body company;
completed unit to be delivered to**

**City of Roanoke
Fleet Management
1802 Courtland Avenue, NW
Roanoke, Virginia 24012**

SEE NEXT SECTION FOR BODY SPECIFICATIONS

75' ARTICULATING AERIAL MAN LIFT AND CHIPPER DUMP BODY

Articulating Over Center Aerial Device with an insulated lower boom, insulated upper boom and a dielectrically tested insulated control handle, with upper control isolation system at the boom tip, for installation behind the cab, built in accordance to these standard specifications and to include the following features:

CITY SPECIFICATIONS

Ground to bottom of platform height to be approximately 70' at 3' from centerline of rotation

Working height to be approximately 75'.

Maximum reach to edge of platform with upper boom over center to be approximately 49' at approximately 18' platform height.

Maximum reach to edge of platform with upper boom non-over center and lower boom at 125° to be approximately 45' at approximately 37' platform height.

Side by side boom configuration to have a travel height approximately 12'.

Lower boom articulation to be 0° to 125° (35° beyond vertical) accomplished by a single hydraulic cylinder with a spherical bearing at the lower boom connection. Equipped with integral holding valves which lock boom in place in the event of a hydraulic line failure and a cushion valve for controlled movement into position at maximum lower boom articulation.

Upper boom articulation to be 270° in relation to lower boom, accomplished by dual cylinders with maintenance free walking link drive system. Cylinders are equipped with integral holding valves to lock boom in place in the event of hydraulic line failure or loss of power.

Pedestal-sub base to be fabricated from a 16" outside diameter x 0.5" wall minimum steel tube welded into a fabricated steel sub base. Rotation bearing support ring is 1.625 " minimum thick.

DEALER SPECIFICATIONS

CITY SPECIFICATIONS

DEALER SPECIFICATIONS

Elevator section to have mechanically compensated link arms to provide 10' of directly vertical lift to the aerial device, with articulation of the elevator arms from stowed to 90°. The elevator section is to be mounted parallel with the chassis frame rails providing maximum use of the space available for body bins, lower control platform and other uses.

Lower boom to be fabricated of 12" square outside diameter x 0.25" wall minimum steel tubing. Length of lower boom is 278" from centerline of lower pivot to centerline of outer pivot.

Lower boom fiberglass insulator to have filament wound fiberglass insulator 11" square outside diameter minimum x 0.625" wall thickness minimum and located in lower end of lower boom. Provide at least 15" clear isolation gap.

Upper Boom to be filament wound fiberglass round tube with 10" inside diameter containing insulated conduit for routing of hydraulic lines and fully contained upper boom leveling system. End of boom shaft shall have ring for attachment of fall protection system lanyard.

Unit shall provide continuous rotation provided by hydraulic motor driving through a worm gear speed reducer and gear bearing. Capable of rotating full-rated platform capacity up a 5° slope (9% grade). Gear box is rated at 22,378 in-lb, and 0.75" attachment bolts are used.

Platform to be molded fiberglass one-man, side-mounted, fixed mounting.

Unit shall provide a mechanical platform leveling system to provide a positive mechanical parallelogram system of fiberglass insulating rods and roller chain. Adjustment of leveling system made with turnbuckles located inside the cover on the lower boom and by adjusting studs accessible from the lower end of the upper boom. Platform level adjustment is easily accessible from external location on lower pivot.

Unit shall have mechanical pin type platform tilting system to allow easy removal of water or debris from the platform.

CITY SPECIFICATIONS

Hydraulic System to be an open-center hydraulic system functions at 6.5 gpm and 3,100 psi. Includes 25 gallon reservoir, suction strainer, return line filter, sectional control valves and plumbing. Hydraulic hoses on booms shall be guarded or routed to prevent exposure to damage while working aloft.

Unit shall be equipped with an insulated single handle controller that is dielectrically tested to 40 kV AC with no more than 400 microamperes of leakage. The control handle is green in color to differentiate it from other non-tested controllers. The handle also includes an interlock guard that reduces the potential for inadvertent boom operation.

Non-tested blue silicon covers for auxiliary controls.

Non-tested non-metallic control console plate.

Non-tested non-metallic boom tip covers. The covers are not dielectrically tested, but they may provide some protection against electrical hazards. Single hydraulic tool circuit at boom tip, including one (1) set of Bruning HTMA quick disconnect couplings (or approved equal); Circuit provides 6.0 gpm at 2,000 psi. Operates open center tools.

Upper boom storage support shall have an automatic upper boom latch.

Unit shall be equipped with an outrigger/boom interlock system to prevent operator from using unit until all outriggers are lowered.

Unit shall be equipped with an outrigger/unit selector control to be located near the outrigger controls, to allow operator to divert hydraulic oil from machine circuit for outrigger operation to reduce the potential for inadvertent outrigger movement during machine operation if outrigger controls are bumped.

Unit shall be equipped with an outrigger motion alarm to provide an audible alarm when any of the outriggers are in motion.

Backup alarm, installed at rear

DEALER SPECIFICATIONS

CITY SPECIFICATIONS

Diagnostic Pressure Test Quick Disconnect Couplings are to be located at the turntable to allow a mobile service technician to quickly and easily attach a test gauge to verify system and tool circuit pressure.

Unit to be supplied with two (2) Operator's and two (2) Maintenance/Parts manuals either hard copy or CD electronic PDF file version.

Unit to be painted white with the Powder Coat Paint Process which provides a finish-painted surface that is highly resistant to chipping, scratching, abrasion and corrosion. Paint is electro-statically applied to the **inside** as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection.

Automatic stow securing system

Outriggers, Primary – Forestry package – Swivel shoe A-frame, 154" maximum spread (outside of footpad to outside of footpad) with 7" penetration.

Outrigger override switch mounted in cab to allow driver to raise outriggers with booms raised to move truck while dumping.

Category B, 69 kV—includes lower test electrode system

Pedestal—89" height, for behind cab mount on all brand chassis

Single one-man side-mounted, fiberglass platform with shaft-mounted controls (controls are located on the side of the platform nearest the upper boom). Platform is 24" x 30" x 39" and is rated at 350 pounds.

Two (2) speed throttle at operators platform to provide low and high speed operation control

Engine Start/Stop with Secondary Stowage System, 12 VDC electric powered. Includes pump and motor, operates from chassis battery. Control is captive air operated from the platform and toggle switch operated from the lower controls; which allows the operator to completely stow the booms and platform in a situation wherein the primary hydraulic source fails

DEALER SPECIFICATIONS

CITY SPECIFICATIONS

DEALER SPECIFICATIONS

NOTE: Requires Slip Ring

NOTE: Required for engine start/stop and secondary stowage system options

Cover for platform(bucket)

Liner for platform, 70 kV

Liner for platform floor (scuff pad)

Power Distribution Module (PDM) shall be a self-contained electronic system that provides a standardized interface with the chassis electrical system. The PDM shall be composed of a main board, approximately 12" x 13" inches, designed to be mounted behind the driver's seat, inside the cab. Additional modules shall be able to plug in to accommodate various options such as engine start/stop, variable throttle control, power take off, interface with Allison transmission, and engine speed control module for specific engines and chassis. In addition to the above potential options, the PDM shall also provide up to 16 accessory circuits to be used for controlling other specified electrical components. The PDM shall include test capabilities and diagnostic input, output and status LED to quickly assess the PDM's performance. All components shall be circuit board mounted to facilitate replacement and reduce repair time should it be required.

Tool Circuit at Boom Tip, Dual Hydraulic – dual set of Bruning HTMA quick disconnect couplings or (approved equal) provides 5.0 – 6.0 gpm at 2,000 psi. (in lieu of standard single set of quick disconnect couplings to operate open center tools).

Hydraulic tool circuit, with one set of quick disconnect couplings and control valve, installed at curb side front beside pedestal to supply 5.0 to 6.0 gpm and 2,000 psi to operate open-center tools.

Fall Protection System to include one body harness and decelerating type lanyard. Harness has adjustable slide buckle on shoulder straps, Velcro chest strap, and interlocking buckles on leg straps and nylon web loop fall arrest attachment on back. Lanyard has built in shock absorber that allows 28" of automatic adjustability.

Shut-Off Valve – at return filter

CITY SPECIFICATIONS

Holder, Chain Saw – Plastic construction for mounting on platform

Lifting Eye – lifting eye at outer end of lower boom, 1,000 pounds capacity

Sight and temperature gauge for hydraulic reservoir, shipped loose

Heavy Duty upper boom cylinders

Heavy Duty turntable rotation motor

Pump

Wheel Chocks – rubber, 10" long, 8" wide, 5.5" high. One pair to be provided with unit.

Platform, Sub base Accessory – Bolt-on 30" x 26.5" platform to sub base on forestry package

Mounting plate, sub base accessory-bolt on 29" x 5" plate for mounting 48" x 48" compartment boxes.

Platform mounted controls

Platform floor liner with step

Rigid platform cover 24" x 30"

Hydraulic Oil and Lubricants, installed.

Air shift PTO for automatic or manual transmission.

Outrigger pads—pressure treated pine, 18" x 18" x 3.5".

Forestry Body with all components, except structural members, fabricated from A-60-galvanneal coated steel:

Chip Dump Body 14.5 cubic yard capacity 93" wide x 63" high x 132" long with:

Structural Channel stringers and floor channel.

10-gauge floor plate with four (4) full length die-formed reinforcing ribs.

DEALER SPECIFICATIONS

CITY SPECIFICATIONS

12 gauge sides and front with full length die-formed reinforcing ribs.

14 gauge roof.

Rear top and sides of body reinforced for lower boom support.

22.5" high tailgate **hinged curb side** with provision to hold open for dumping.

10-gauge rear under body skirt panels with brackets for remounting chassis lights

Class "C" Hydraulic hoist, **installed, with 45° dump angle and body prop.**

Truck-Lite lighting package with rubber grommet shock mounts and wiring harness in automotive type loom.

Street side built-in ladder compartment, 12" wide x 25" high with rear plastisol. Roller and internal security chain.

Pole pruner compartment, 11" high, above ladder compartment with rear locking door.

Interior of chip body finished with coal tar epoxy.

Underside of chip body undercoated (except stringer channels).

Compartmentation—Street side:

Single compartment (66" long x 50" high x 26.5" deep) with three (3) vertical doors. Two (2) full width shelves fixed at 11" and 25" from top. Holder for chain saw provided in bottom on left side. Right side has access to horizontal thru compartment extending from curb side platform.

Compartmentation—Curb side:

Single compartment (41" long x 50" high x 26.5" deep) with two (2) vertical doors. Left side has two (2) full width shelves fixed at 11" and 25" from top. Right side has six (6) material hooks (3-0-3). Platform mounted behind compartment 12" high x 25" wide x 26.5" deep. Horizontal thru compartment (6 inches high) recessed 12", open to street side with vertical partitions spaced 10", 6" and 9" wide with drop-down door.

DEALER SPECIFICATIONS

CITY SPECIFICATIONS

DEALER SPECIFICATIONS

All grip-on walking surfaces.

Standard features:

Double acting spring type door holders.

Door locks are attached by rivets.

Paint compartment **INTERIORS WHITE.**

Rain deflectors above all doors.

Cab Guard

Cab Guard Accessory Kit.

Cab Guard Access step mounted on rear of curb side compartment.

Stirrup step under curb side platform with three (3) grab handles.

All steel parts phosphate pressure washed and prime painted.

Pintle hitch assembly, include safety chains eyes

Splash aprons, installed

Flare kit installed behind seat.

Fire extinguisher, 5 pounds, with bracket, shipped loose

Pintle hook, mounted 22-23" above ground (unloaded).

Wheel chock holders

Outrigger pad holders

Front bumper assembly

Manual Pouch installed behind driver's seat

Outrigger interlock over ride switch provided in chassis cab.

Lights and reflectors in accordance with FMVSS #108 lighting package installed.

ATTACHMENT C

To

IFB #07-11-01

INSURANCE REQUIREMENTS

The Contractor shall not commence work under this Contract until the contractor has provided proof of the required insurance under this Section, and that such insurance has been approved by the City.

1 For All Contracts, the following minimum insurance requirements apply:

A. Workers' Compensation and Employers' Liability:

The Contractor shall obtain and maintain the following limits:

Workers' Compensation: Statutory

Employers' Liability: \$100,000 bodily injury by accident each occurrence \$500,000 bodily injury by disease (policy limit), \$100,000 bodily injury by disease each employee

B. Commercial General Liability:

\$1,000,000 general aggregate

\$1,000,000 products/completed operations aggregate

\$1,000,000 personal and advertising injury

\$1,000,000 each occurrence

Coverage is to be written on an "occurrence" basis and such coverage shall include broad form extension endorsements for both liability and property damage.

~~C.~~ Automobile Liability:

Limits for vehicles owned, non-owned or hired or borrowed shall not be less than:

\$1,000,000 Limit per occurrence

2 Proof of Insurance Coverage: The policies of insurance required shall be purchased from a reputable insurer licensed to do business in Virginia and maintained for the life of the Contract by the Contractor. Other insurance requirements include the following:

A. The Contractor shall furnish the City with the required Certificates of insurance showing the insurer, type of Insurance, policy number, policy term, and the limits for liability coverages.

B. The required certificates of insurance shall name the City of Roanoke, its officers, agents, volunteers, and employees as additional insureds except with regard to the workers' compensation coverage. With respect to Workers' Compensation coverage, insurance shall contain a waiver of subrogation in favor of the City.

ATTACHMENT D

To

IFB #07-11-01

CITY OF ROANOKE - PURCHASE ORDER TERMS AND CONDITIONS

1. **Definitions.**

City – City of Roanoke, Virginia (sometimes also referred to as Buyer).

Items – All materials, goods, components, end products, data (including electronic data), work, and/or services described in and/or called for by the Purchase Order.

Purchase Order or Order or Service Contract – The Purchase Order, Service Contract or other document (which can include an electronic document) issued by the City to obtain the items identified in such document.

Vendor – The person or entity to which the Purchase Order is directed and who will provide the items identified therein (sometimes also referred to as Seller).

2. **Invoicing.**

All invoices shall be sent to:

City of Roanoke
Finance Department
Noel C. Taylor Municipal Building, Room 461
215 Church Avenue SW
Roanoke, VA 24011

If any questions, contact Accounts Payable at (540) 853-2824

3. **Termination for Default and Convenience.**

- A. If Vendor refuses or fails to perform any of the terms of this Purchase Order, including poor services, work, or materials, the City may, by written notice to Vendor, terminate this Purchase Order, in whole or in part. In addition to any right to terminate, the City may enforce any remedy available at law or in equity in connection with such default, and Vendor shall be liable for all damages to the City resulting from Vendor's default. The City further reserves the right to obtain immediately such items from other vendors in the event of Vendor's default. Furthermore, the City may reject any items that do not comply with the requirements of this Purchase Order and any such items may be returned to Vendor at Vendor's sole cost and risk of loss.
- B. The City may also terminate this Purchase Order for convenience by giving written notice to Vendor at least 15 days prior to the effective date of cancellation. Any such termination shall be without liability of any type to the City except for payment for completed items delivered or services rendered to and accepted by the City.
- C. The City may exercise the City's right of setoff as to any amounts the City may owe the Vendor. City may require Vendor to transfer title and deliver to the City any or all items produced or procured by Vendor for performance of the work terminated.

4. **Changes By Vendor.**

No changes, deletions or additions may be made by the Vendor to this Purchase Order, including the terms and conditions, without the express written approval of the City.

5. **Changes By City.**

At any time the City may by written notice to Vendor make changes to the scope of this Purchase Order in any one or more of the following: (1) drawings, designs or specifications; (2) method of shipping/packaging; (3) place of inspection, delivery or acceptance; and/or (4) quantity. Vendor shall proceed immediately to perform this Purchase Order as changed. If any such change causes a material increase or decrease in the cost of the items, or the time required for performance of any part of the work required by this Purchase Order, the City and Vendor will agree upon an equitable adjustment in the price and/or delivery schedule. To qualify for adjustment consideration, Vendor must send written notice to the City of Vendor's intent to file a claim under this clause within 14 calendar days from the date of receipt by Vendor of such written notice of change. Vendor shall proceed with the changed Purchase Order pending resolution of the claim for adjustment. The City may act on any such claim at any time prior to final payment under this Purchase Order. Nothing in this clause shall excuse Vendor from proceeding with this Purchase Order as changed.

6. **Payment.**

The price(s) to be paid the Vendor shall be the current price(s) as stated on this Purchase Order. Unless otherwise stated in this Purchase Order, the price(s) shall include all applicable taxes and other charges such as packaging, shipping, duties, customs, tariffs and government imposed surcharges. All personal property taxes assessable upon the items prior to the receipt and acceptance by the City of such items shall be borne by Vendor. The City will not be responsible for or pay for any items that may be ordered or received without an authorized Purchase Order number.

7. **Sales Tax Exemption.**

The City is exempt from payment of State Sales and Use Tax on all tangible personal property purchased or leased for the City's use or consumption. The Virginia Sales and Use Tax Certificate of Exemption number is 217-074292-9.

8. **Free on Board (F.O.B.), Risk of Loss, and Title.**

All prices are to be quoted F.O.B. Destination, Inside Delivery unless otherwise noted on this Purchase Order. The risk of loss from any casualty, regardless of cause, shall be on the Vendor until the items have been delivered to the place specified in the Purchase Order and accepted by the City. The risk of loss shall also be on the Vendor during the return of any items to the Vendor. Title to the items shall pass to the City upon receipt and acceptance of such items by the City at the designated destination

9. **Inspection.**

The City shall have a reasonable time after receipt of items and before payment to inspect all items for conformity to this Purchase Order. If all or some of the items delivered to the City do not fully conform with the provisions hereof, the City shall have the right to reject and return such nonconforming items.

10. Insurance.

Vendor, and any of its subcontractors, shall, at its sole expense, obtain and maintain during the term of this Purchase Order the insurance policies and/or bonds, if any, that may be required by this Purchase Order.

11. Warranty.

Vendor hereby warrants that all items and work covered by this Purchase Order shall conform to the specifications, drawings, samples, or other description furnished by the City and shall be merchantable, of good material and workmanship, and free from any defects. Vendor also warrants good title to and freedom from any encumbrances for all items and warrants against any infringement. Acceptance by Vendor may not exclude any warranty. If this Purchase Order is for services, Vendor warrants that the services shall be completed in a professional, good and workmanlike manner, with the degree of skill and care that is required by like vendors in Virginia. Further, Vendor warrants that such services shall be completed in accordance with the applicable requirements of this Purchase Order and shall be correct and appropriate for the purposes contemplated in this Purchase Order. Such warranties are in addition to any of the Vendor's other guarantees or obligations under this Purchase Order or that may arise by law. Vendor agrees that Vendor shall repair or replace, at Vendor's sole expense, and to the satisfaction of the City, any items, work, material, equipment, or part of the item that is found by the City to be defective or not in accordance with the terms of this Purchase Order.

12. Independent Contractor.

The relationship between Vendor and the City is a contractual relationship. Vendor shall, at all times, maintain its status as an independent contractor and both parties acknowledge that neither is an agent, partner or employee of the other for any purpose. Vendor shall be responsible for causing all required insurance, workers' compensation and unemployment insurance to be provided for itself and all its employees and subcontractors. Vendor will be responsible for all actions of any of its subcontractors, and that they are properly licensed.

13. Nondiscrimination.

Vendor shall comply with the nondiscrimination provisions of Section 2.2-4311 of the Code of Virginia, which are incorporated herein by reference.

14. Drug-Free Workplace.

Vendor shall comply with the drug-free workplace provisions of Section 2.2-4312 of the Code of Virginia, which are incorporated herein by reference.

15. Faith-Based Organizations.

Pursuant to the Code of Virginia, Section 2.2-4343.1, be advised that the City does not discriminate against faith-based organizations.

16. Assignment.

Vendor may not assign or transfer this Purchase Order in whole or in part except with the prior written consent of the City, which consent shall not be unreasonably withheld.

17. Successors and Assigns.

The terms, conditions, provisions, and undertakings of this Purchase Order shall be binding upon and inure to the benefit of each of the parties hereto and their respective successors and assigns.

18. Indemnification.

Vendor agrees to indemnify and hold harmless the City and its officers, agents, and employees against any and all liability, losses, damages, claims, causes of action, suits of any nature, costs, and expenses, including reasonable attorney's fees, resulting from or arising out of Vendor's or its employees, agents, or subcontractors actions, activities, or omissions, arising in any way out of or resulting from any of the work or items to be provided under this Purchase Order.

19. Governing Law and Forum Selection.

By virtue of entering into this Purchase Order, Vendor submits itself to a court of competent jurisdiction in the City of Roanoke, Virginia, and further agrees that this Purchase Order is controlled by the laws of the Commonwealth of Virginia and that all claims, disputes, and other matters shall only be decided by such court according to the laws of the Commonwealth of Virginia.

20. Acceptance – Entire Agreement - Modification.

Acceptance of this Purchase Order shall may be limited to the terms and conditions, but such Terms and Conditions may be changed, added to, deleted, or modified as may be agreed to between the City and the Contractor contained herein and/or incorporated herein by reference. This Purchase Order shall be deemed accepted upon the commencement of performance by the Vendor. City rejects any additional and/or inconsistent terms and conditions offered by Vendor at any time and irrespective of City's acceptance of or payment for Vendor's items. The provisions of this Purchase Order, including these terms and conditions, constitute the entire agreement between the parties and no change to or modification of this Purchase Order shall be binding upon City unless signed by an authorized representative of City's purchasing office. Vendor's shipment or provision of the items and/or performance of services as called for in this Purchase Order shall constitute acceptance by Vendor of this Purchase Order with its terms and conditions.

END